

ASSOCIATE SUPERINTENDENT APPROVAL



STATE BOARD MEETING DATE 10/24/2011

SUBJECT: CTE Programs for Mathematics Crosswalk Credit

SUBMITTED BY: Mark Hamilton

MANAGEMENT TEAM REVIEW:

BACKGROUND INFORMATION:

Proposed CTE Programs for Mathematics Crosswalk Credit—Preliminary Report on five programs for credit.

The process used to crosswalk CTE Program Standards with the Mathematics Common Core Standards for High School was presented in spring 2011. At this time, the following five CTE programs have been through a three-step crosswalk identification and validation process:

- Accounting and Related Services
- Automotive Technologies
- Advanced Construction Technologies
- Business Management Administrative Services
- Software Development

The first step in the process involved the analysis of the CTE programs to determine if they warranted assembling teams to do the initial crosswalks. This is an important step, since it is costly to assemble expert teams and pay them for their travel and time. The second step involved assembling a small representative team of experts to complete the initial crosswalk. The third step involved a larger team of experts to validate the initial crosswalks. Both steps two and three included mathematics experts recommended by ADE Academic Standards Section and CTE program experts selected by ADE-CTE. Team lists may be found in Attachment A.

The validation process involved an introduction to the process being used and methods the teams should use to reach final consensus. Each team had an ASU leader who was trained in the crosswalk/validation process. The agenda for the validation process may be found in Attachment B.

Finally, the crosswalk identification and validation process included the Common Core Mathematical Standards, specifically the Conceptual Categories, and the Mathematical Practices. The validation results address the Mathematics Standards, the CTE Standards/ Measurements Criteria; how the Mathematics Standard is used, and examples of Math Formula used in the Mathematics concept. The process and format may be found in Attachment C.

All documents have been reviewed jointly by ADE-CTE Section and will be reviewed by ADE-Standards Section before they are presented to the State Board for final approval for credit. The five CTE programs completed at this time will be ready for review and approval by the State Board by the December 4, 2011, scheduled meeting.

The list of CTE Programs which will be examined to be validated for embedded Common Core Mathematics Standards for High Schools by August 2012. Other CTE programs have been initially reviewed and found to have insufficient high school level mathematics in order to be considered for this validation process. The list of CTE Programs identified to be validated may be found in Attachment D.

**BOARD ACTION REQUESTED: ☒ INFORMATION ☐ ACTION/DESCRIBED
BELOW:**

ATTACHMENTS: YES ☒ NO ☐

